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United States Patent [19][11] **Patent Number:** **5,308,174****Kuki**[45] **Date of Patent:** **May 3, 1994****[54] TEXT PROCESSING SYSTEM WITH A MOVABLE DISPLAY DEVICE**[75] **Inventor:** Masakazu Kuki, Ichinomiya, Japan[73] **Assignee:** Brother Kogyo Kabushiki Kaisha, Nagoya, Japan[21] **Appl. No.:** 980,714[22] **Filed:** Nov. 24, 1992**[30] Foreign Application Priority Data**

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[51] **Int. Cl.⁵** **B41J 3/46**[52] **U.S. Cl.** **400/83; 248/921; 361/681**[58] **Field of Search** 400/83, 682, 691, 692, 400/693; 361/380, 390, 391, 392, 393, 394, 681, 682; 16/337, 339, 342; 248/917, 918, 919, 920, 921, 922, 923**[56] References Cited****U.S. PATENT DOCUMENTS**

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A text processing system includes a text processing device having an outer surface treated with coating, plating, printing, etc., a display device movably supported on the text processing device, a circular rotating member rotatably supported on the display device so as to rotationally contact the outer surface of the text processing device, a device for continuously moving the display device relative to the text processing device, and a device for holding the display device in a desired position relative to the text processing device. It is accordingly possible to prevent the peeling-off of the surface treatment layer such as a coating, plating or printing layer formed on the outer surface of the text processing device due to the contact between the lower end portion of the display device and the outer surface of the text processing device.

20 Claims, 6 Drawing Sheets